

CLAIM OR CLAIMS

What I claim as my invention is:

- [1] The SCAM produces a reactionless, one-directional force, in contradiction of Newton's III Law; the one-directional force is a claim of this patent.
- [2] The SCAM comprises 2 parallel plates of conducting segments distance a apart; each segment is of length a , equal to the separation; separation distance a is fixed for a particular SCAM, but this patent covers designs for any a ; the use of any separation distance a is a claim of this patent.
- [3] This patent claims all values of a .
- [4] Each conducting segment is of length a , equal to the separation; the equivalence of plate separation and segment length is a claim of this patent.
- [5] The conductors of each plate are pulsed with current I at a frequency dependent on the separation of the plates, as in FIGs 1 and 2.
- [6] The currents in the two plates are phased, as in W1 and W2 of FIG 2; these wave forms and phase relationship is a claim of this patent.
- [7] Each plate has M elements in the x direction, and N elements in the y direction; M is fixed for a particular SCAM, but this patent covers designs for any M .
- [8] Similarly N is fixed for a particular SCAM, but this patent covers designs for any N .
- [9] M and N may be equal, but they need not be equal. This patent claims all values for M and N .
- [10] The array of segments, are separated by gaps of $(\sqrt{15} - 1)a$ parallel to current (the x direction), and by gaps of $\sqrt{15}a$ normal to the current (the y direction)

(FIGs 5 and 8); these separations, $(\sqrt{15} - 1)a$ and $\sqrt{15}a$ are part of this patent; this patent claims the x and y segment separations $(\sqrt{15} - 1)a$ and $\sqrt{15}a$

- [11] The individual segments may be fabricated from conventional conductors or superconductors.
- [12] Although the SCAM depicted has rectangular plates, this patent covers plates of any shape.
- [13] To guard against infringement of this patent using sub-optimal geometric variation, this patent claims all dimensions and ratios specified in the specification, $\pm 75\%$.